## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be appropriate. All further correspondence including the Patent of the Patent of

indicated unless corrected maintenance fee notification	below or directed other	herwise in Block 1, by	(a) specifying a new	corres	pondence address	s; and/or	(b) indicating a separ	· ·
CURRENT CORRESPONDEN	ICE ADDRESS (Note: Use B	lock 1 for any change of addres	as)	Note Fee(	: A certificate of s) Transmittal. The	mailing	can only be used for icate cannot be used for	domestic mailings of the or any other accompanying at or formal drawing, must
	g	9- <i>4</i> 14/06	. ^	papè have	rs. Each addition its own certificat	al paper e of mai	, such as an assignmen lipg or transmission.	it or formal drawing, must
	7590	Υ,	74		Ce	rtificate	of Mailing or Transn	nission
BIRCH STEWA PO BOX 747	RT KOLASCH	& BIRCH		I her State	eby certify that the Postal Service	his Fee(s	s) Transmittal is being ficient postage for first	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
FALLS CHURCH	I, VA 22040-0747	<b>\</b>	ryen	addr	essed to the Ma	Stop TO (57	ISSUE FEE address at 1) 273-2885, on the da	above, or being facsimile
	.,		Mond ~				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Depositor's name)
		1 m	V44	-				(Signature)
			11/10		/ /	<del></del>		(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVE	NTOR	/	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/718,805	11/24/200	3 Rena	Y. Jacobson	$\overline{}$		121	5-0496P	3455
TITLE OF INVENTION			MODULES WITH			(00	0408-078)	
તે .	CAVITIES AN	id an integra	red ceramic x	ING	FRAME			
						•		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DVE	PUBLICATION FEE	DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300		\$0		\$1700.00	12/14/06
. EXAMIN	ER ·	ART UNIT .	CLASS-SUBCLAS	s				
HESS, Dougl	as A.	3651	198/779					
1. Change of correspondent CFR 1.363).	ce address or indication	n of "Fee Address" (37	2. For printing on	•				TEWART, KOLASCH
Change of correspon	dence address (or Cha	nge of Correspondence	(1) the names of or agents OR, alte	up to rnativ	3 registered pater ely,	it attorn	eys 1 BIRCH,	LLP.
"Fee Address" indica	ation (or "Fee Address'	" Indication form	(2) the name of a registered attorney	v or as	gent) and the nam	es of un	to .	
PTO/SB/47; Rev 03-02 Number is required.	or more recent) attach	ed. Use of a Customer	2 registered paten listed, no name wi	t attor	nevs or agents. If	no name	e is 3	
3. ASSIGNEE NAME ANI	D RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print	or type	:)			
PLEASE NOTE: Unles	s an assignee is identi	ified below, no assigned	e data will appear on to	the pa	tent. If an assign	ee is ide	entified below, the doc	cument has been filed for
(A) NAME OF ASSIGN			(B) RESIDENCE: (					
Northrop.	Grumman Corp	öration	Los Ana	ele:	s, Califor	nia		
Please check the appropriat	e assignee category or	categories (will not be		\				
		· · · · · · · · · · · · · · · · · · ·		+				
4a. The following fee(s) are  Issue Fee	submitted:		4b. Payment of Fee(s):  A check is enclosed.		e first reapply a	ıy previ	ously paid issue fee sh	nown above)
Publication Fee (No:	small entity discount p	ermitted)		Payment by credit card Form PTO-2038 is attached.				
Advance Order - # o							equired fee(s), any defi-	ciency, or credit any extra copy of this form). i f
5. Change in Entity Status	(from status indicated	i above)	overpayment, to 1	осроз.	te y counte i vanio	102	chelose and	needed
a. Applicant claims S	MALL ENTITY statu	s. See 37 CFR 1.27.					ITY status. See 37 CFF	R 1.27(g)(2).
NOTE: The Issue Fee and Finterest as shown by the rec	Publication Fee (if requords of the United State	uired) will not be accept tes Patent and Trademan	ted from anyone other the control of	han the	e applicant; a regi	stered at	torney or agent; or the	assignee or other party in
And in 1 Cinns	Villian	D Set i			Date Diffe	mbor	9 2006	
Authorized Signature			:		Dales Dece	mber	0, 2000	
Typed or printed name _					Registration N	0. 20	,848	
This collection of informatian application. Confidential submitting the completed at this form and/or suggestion. Box 1450, Alexandria, Virginia 27313.	on is required by 37 Cl lity is governed by 35	FR 1.311. The informat U.S.C. 122 and 37 CFI	tion is required to obtain 1.14. This collection i	or re	tain a Seine fit by t nated to take 12 r	he public ninutes (	c which is to file (and b to complete, including	by the USPTO to process) gathering, preparing, and
this form and/or suggestion	ppiication form to the s for reducing this bun inia 22313-1450 DO	den, should be sent to t	the Chief Information C	officer,	ual case. Any co U.S. Pattent and	mments Tradema	on the amount of time ark Office, U.S. Depart	you require to complete ment of Commerce, P.O.
	1 130.				200			
Under the Paperwork Reduc	cuon Act of 1995, no p	ersons are required to r	espond to a collection o	i info	mationainless it c	lisplays	a valid OMB control n	umber.

PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.

OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Worksheet for Processing Multiple Fee Payments (Suspended Amounts) U. S. Patent & Trademark Office

A W/13	
2000	
3 G 3	
3 100 C	
24 Com 33	
S (SEE SEE	
M See 3	
NU DA	
(Care 1)	
4	
翻翻路	
DE VALUE	
国的规则	
1	
N. Person	
10	
22.00 m	
TANK THE	
B91-76	
-	
200	
8	
Gess	
XS ess	
Scess S	
\$\$900	
Keesk	
Trocess	
Process	
Process	
Process	
e Process	
ie Process	
ite iProcess	, ,
ade Process	, ,
atie Process	, , ,
Jade Process	10 11
Dade Process	10 11
Datte Process	10 11
Dade Process	10 11
g Dade Process	10 11
g Daite Process	10 11
ng Dade Process	
ing Dade Process	
ing Date Process	10 11 01
ting Date Process	
Ming Dade Process	
nting Date Process	
inding Date Process	
Unwing Dade Process	
Unding Date Process	
buinding Dave Process	
billinding Dade Process	
sounding Date Process	
counding Dave Process	
centing Dade Process	
Assembling Date Process	10 11 01
Ascounding Dave Process	

208 81F 01

Date Sent	70-8-71		
(TO:) Location:	Pinance		
Amount Suspended	1,715.00		
RAM UserID	HMGVHIZ		
(FROME) Location:	Window Rain		•
	Repland		

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

maintenance fee notification	ons.			·		parate FEE ADDRESS for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying			
	g	9 <del>/</del> 14/06	pa ha	papers. Each additional paper, such as an assignment or formal drawing have its own certificate of mailing or transmission.			
	7590	o Dyn Cit		Се	rtificate of Mailing or Tra	nsmission	
BIRCH STEWA PO BOX 747	ART KOLASCH	& BIRCH	I h Sta	ereby certify that that the states Postal Service	his Fee(s) Transmittal is bei	ng deposited with the United	
FALLS CHURCH	I. VA 22040-0747	1	add tra	I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
4	-, · · · · · · · · · · · · · · · · · · ·		<u>ــــ</u>		10 (371) 273 2003, on ale	(Depositor's name)	
1			-			(Signature)	
À		•				(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/718,805	11/24/2003 Rena		Y. Jacobson	1215-0496P		3455 <sup>-</sup>	
TITLE OF INVENTION	FABRICATION	OF LTCC T/R	MODULES WITH M	ULTIPLE	(000408-078)		
	CAVITIES AN	D AN INTEGRAT	ED CERAMIC RING	G FRAME			
			•		,		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE TOTAL FEE(S) DU	E DATE DUE	
nonprovisional	ŇO	\$1400	\$300 ·	\$0	\$1700.00	12/14/06	
EXAMIN	ER	ART UNIT	CLASS-SUBCLASS	]	•		
HESS, Dougl	as A.	3651	198/779				
1. Change of correspondence CFR 1.363).	ce address or indication	of "Fee Address" (37	2. For printing on the p			STEWART, KOLASCH	
Change of correspond	dence address (or Char	nge of Correspondence	(1) the names of up to or agents OR, alternati	o 3 registered paten ively,	•	H, LLP	
			(2) the name of a sing	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to			
"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2 registered patent attorneys or agents. If no name is 3 listed, no name will be printed.				
3. ASSIGNEE NAME AND	RESIDENCE DATA	TO BE PRINTED ON	THE PATENT (print or ty	pe)			
PLEASE NOTE: Unless recordation as set forth in	s an assignee is identi n 37 CFR 3.11. Comp	fied below, no assignee letion of this form is NC	data will appear on the p T a substitute for filing an	atent. If an assign	ee is identified below, the	document has been filed for	
(A) NAME OF ASSIGN			(B) RESIDENCE: (CITY				
Northrop Grumman Corporation Los Angeles, California							
Please check the appropriate	e assignee category or	categories (will not be p	rinted on the patent):	Individual 🖾 Co	rporation or other private gr	oup entity Government	
4a. The following fee(s) are	submitted:	4	b. Payment of Fee(s): (Plea	ise first reapply an	y previously paid issue fee	shown above)	
Issue Fee			🖾 A check is enclosed.				
Publication Fee (No small entity discount permitted)  Advance Order - # of Copies Five (5)			Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 02-2448 (enclose an extra copy of this form).				
Advance Order - # of	Copies <u>FIVE</u> (	<u>)                                    </u>	overpayment, to Depo	sit Account Numbe	ge the required fee(s), any difference $02-2448$ (enclose a	in extra copy of this form). if	
5. Change in Entity Status	•	•				needed	
a. Applicant claims Si				_	L ENTITY status. See 37 C		
NOTE: The Issue Fee and Printerest as shown by the reco	ublication Fee (if requi ords of the United State	red) will not be accepte s Patent and Trademark	office.	he applicant; a regis	tered attorney or agent; or the	ne assignee or other party in	
Authorized Signature	Villian	, L' sate		Date Decen	nber 8, 2006		
Typed or printed name <u>William L. Gates</u>				Registration No	20,848		
This collection of information an application. Confidentialis submitting the completed apthis form and/or suggestions Box 1450, Alexandria, Virgin Alexandria, Virginia 22313-1	plication form to the Uplication form to the Uplication form to the Uplication form to the Uplication for reducing this burd nia 22313-1450. DO 1	R 1.311. The information I.S.C. 122 and 37 CFR USPTO. Time will vary en, should be sent to the NOT SEND FEES OR C	n is required to obtain or re 1.14. This collection is esti depending upon the indivi- chief Information Office COMPLETED FORMS TO	etain a benefit by th imated to take 12 m idual case. Any cor r, U.S. Patent and T ) THIS ADDRESS.	e public which is to file (and inutes to complete, includir numents on the amount of the rademark Office, U.S. Dep- SEND TO: Commissioner	i by the USPTO to process) ig gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 07/06) Approved for use through 04/30/2007.